

2004 Water Quality Assessment (Final) - Category 5 Listings for WRIA 54

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
54	42410	5	N	LONG LAKE (RESERVOIR) Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Mountain whitefish fillet samples collected 6/18/2001.	QZ45UE	81.693	27N	41E	22	2,3,7,8-TCDD	Name changed on 3/2/05 from SPOKANE RIVER to LONG LAKE (RESERVOIR). -kk	Tissue
54	40939	5	N	LONG LAKE (RESERVOIR) Cusimano (2003) Draft - Hypolimnetic Dissolved Oxygen concentrations in Lake Spokane are depressed due to human caused internal and external BOD loading.	QZ45UE	63.956	27N	40E	15	Dissolved oxygen		Water
54	9015	5	Y	LONG LAKE (RESERVOIR) Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of Yellow Perch, Largemouth Bass, and Mountain Whitefish in 1993.	QZ45UE	63.064	27N	40E	22	Total PCBs		Tissue
54	9021	5	Y	LONG LAKE (RESERVOIR) Washington Dept. of Ecology, 1995. excursions beyond the National Toxic Rule criterion in edible tissue of Brown Trout in 1993-94.	QZ45UE	91.888	26N	42E	05	Total PCBs		Tissue
54	36440	5	N	LONG LAKE (RESERVOIR) Jack and Roose (2002) show exucrsions beyond the National Toxics Rule criterion in Largemouth bass, Largecale sucker, Mountain whitefish, Smallmouth bass, and Yellow perch fillet samples collected in 2001.	QZ45UE	55.823	27N	39E	24	Total PCBs		Tissue
54	36441	5	N	LONG LAKE (RESERVOIR) Jack and Roose (2002) show excursions beyond the National Toxics Rule criterion in Largemouth bass, Largecale sucker, Mountain whitefish, Smallmouth bass, and Yellow perch fillet samples collected in 2001.	QZ45UE	81.693	27N	41E	22	Total PCBs		Tissue
54	42411	5	N	SPOKANE RIVER Seiders, 2004. shows the National Toxics Rule criterion was exceeded in Rainbow trout fillet samples collected 9/16/2003.	QZ45UE	99.346	26N	42E	20	2,3,7,8-TCDD		Tissue
54	15188	5	N	SPOKANE RIVER Dept. of Ecology unpublished data from the Spokane River TMDL at RM 60.9 shows no excursions beyond the criterion from continuous Hydrolab measurements collected during September 2000.  Dept. of Ecology unpublished data from the Spokane River TMDL at RM 60.9 shows excursions beyond the criterion from a 7-day mean of minimum daily continuous Hydrolab measurements collected during August 2001.	QZ45UE	96.37	26N	42E	17	Dissolved oxygen	WRIA changed from 57 to 54. 11/16/04 -kk	Water

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54	16853	5	N	SPOKANE RIVER	QZ45UE	106.23	25N	42E	04	Fecal Coliform		Water
Hallock (2004), Dept. of Ecology ambient station 54A120 shows 2 of 12 samples (16.7%) in year 2003 exceeded the percentile criterion.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 10 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 2001.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 10 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 2000.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 38 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1999.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 42 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1998.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 32 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1997.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 27 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 120 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1995.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 50 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1994.												
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 54A120 (Spokane R. at Riverside St. Park) shows a geometric mean of 17 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1993.												
54	15183	5	N	SPOKANE RIVER	QZ45UE	46.321	27N	39E	20	Total Dissolved Gas		Water
Unpublished data from Little Falls Dam tailrace show the criterion was exceeded during March-June 2000.											A TMDL is underway for total dissolved gas (Pickett, ECY/EAP 2003)	
54	15184	5	N	SPOKANE RIVER	QZ45UE	52.736	27N	39E	14	Total Dissolved Gas		Water
Unpublished data from Long Lake Dam tailrace show the criterion was exceeded during March-June 2000.											A TMDL is underway for total dissolved gas (Pickett, ECY/EAP 2003)	
54	9027	5	Y	SPOKANE RIVER	QZ45UE	19.589	28N	37E	33	Total PCBs		Tissue
Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of Walleye, Smallmouth Bass, and Kokanee in 1993.												
54	9033	5	Y	SPOKANE RIVER	QZ45UE	94.079	26N	42E	07	Total PCBs		Tissue
Johnson, et al. 1994. excursions beyond the National Toxics rule criterion in fillet samples of Rainbow Trout and Mountain Whitefish in 1993.												

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				Basis								
54	14385	5	N	SPOKANE RIVER	QZ45UE	96.37	26N	42E	17	Total PCBs		Tissue
Johnson, 1997. show excursions beyond the National Toxics Rule Criterion in Rainbow Trout and Mountain whitefish fillet samples collected in 1996 above Nine-Mile Dam.												
54	14400	5	N	SPOKANE RIVER	QZ45UE	101.38	26N	42E	28	Total PCBs		Tissue
Johnson, 2000. show excursions beyond the National Toxics Rule Criterion in Mountain whitefish, Largescale sucker and Rainbow Trout fillet samples collected in WRIA changed from 57 to 54. 11/16/04 -kk 1999 at 7-Mile Bridge.												